

**AMENDMENTS TO THE CLAIMS**

*The following listing of claims will replace all prior versions and listings of claims in this application.*

**LISTING OF CLAIMS:**

1. (Original) A packaging filling apparatus, wherein a web-form packaging material having a laminated structure and a conductive layer adjacent to a sealing property thermoplastic layer, is longitudinally sealed to be formed into a tubular shape, a fluid product is filled in said tube, a transversal sealing band is formed by performing a transversal sealing by a transversal sealing apparatus in the transverse direction of said tube, which is cut off into a separate first forming body in said transversal sealing band of the first forming body being continuously connected and formed, and formed into a packaging filling container of the final configuration, and wherein said transversal sealing apparatus includes a high-frequency oscillator, controller of the same, and an inductor, which generates a magnetic field in said packaging material by receiving the output from the same, and comprises a sealing quality control means transmitting a control signal to said controller, based on a statistical relation between a plurality of effect factors affecting the quality of said transversal sealing and the quality of said transversal sealing.

2. (Original) The packaging filling apparatus according to claim 1, wherein said effect factor includes a moisture percentage contained in the web-like packaging material, with or without a laminated metal evaporated film, temperature of the fluid product filled therein, characteristics of the sealing thermoplastic layer of the web-like packaging material, and thickness of the conductive layer.

3. (Original) The packaging filling apparatus according to claim 1, wherein said effect factor includes an amount of energy output from the high-frequency oscillator and output impedance from the same.

4. (Original) The packaging filling apparatus according to claim 1, wherein during the operation of the packaging filling apparatus, the packaging filling apparatus receives a factor signal from a detector and/or input means against said effect factors and a sealing quality control means transmits a control signal to said controller.

5. (Original) A transversal sealing apparatus for a packaging filling apparatus, wherein a web-form packaging material having a laminated structure and a conductive layer adjacent to a sealing property thermoplastic layer, is longitudinally sealed to be formed into a tubular shape, a fluid product is filled in the tube, a transversal sealing band is formed by performing a transversal sealing in the transverse direction of said tube, which is cut off into a separate first forming body in said transversal sealing band of the first forming body being continuously connected and formed, and formed into a packaging and filling container of the final configuration, and wherein said transversal sealing apparatus includes a high-frequency oscillator, controller of the same, and an inductor, which generates a magnetic field in said packaging material by receiving the output from the same, and is provided with a sealing quality control means transmitting a control signal to said controller, based on a statistical relation between a plurality of effect factors affecting the quality of said transversal sealing and the quality of said transversal sealing.

6. (Currently Amended) The transversal sealing apparatus according to claim 7 5, wherein said effect factor includes a moisture percentage contained in the web-like packaging material, temperature of the fluid product filled therein, characteristics of the sealing thermoplastic layer of the web-like packaging material, thickness of the conductive

layer, an amount of energy output from the high-frequency oscillator and output impedance from the same, and during the operation of the packaging filling apparatus, the transversal sealing apparatus receives a factor signal from a detector and/or input means against said effect factors and a sealing quality control means transmits a control signal to said controller.